

THE CARRIER



June 2001 <http://www.mdarc.org> <http://www.pacificon.org>

**Official Newsletter of the Mt. Diablo
Amateur Radio Club**

**June Meeting
Friday June 15
7:30 PM**

**What do you really know about
Field Day?**

Our Savior's Lutheran Church
1035 Carol Lane
Lafayette CA

What's inside

President's Message	1
Field Day	2
Sherrif's Radio System	4
PACIFICON Form	7
Board Members	9
Calendar	Back

Weekly Nets

Monday 8:00 PM SATERN Net Salvation Army 147.06
Wednesday 7:30 PM ATV Cable Channel 58
Thursday 7:30 PM Mt. Diablo Amateur Radio Club 147.06

*Planned

RACES Nets see page 2

SO MANY ACTIVITIES, SO LITTLE TIME

Besides living in one of the most beautiful areas in the country, and certainly one of the most expensive, we are also surrounded by numerous choices of fun and beneficial extra-curricular activities.

A unique public service event is the Alcatraz Swim. There are two this year. One goes from Alcatraz to the Yacht Club and the other goes from Alcatraz to the SF end of the Bay Bridge. The dates are June 10 and July 8. Both are early morning events. There are 1000 swimmers involved!! All crazy, of course! But we get to stay on a boat and watch them, keep in touch and talk on the radio. To become involved contact Barry Bettman at: <mailto:coaching@barrybettman.com>. He is the coordinator.

As mentioned in our last very interesting meeting on grounding, there is an ARRL sponsored "kids day". This is your opportunity to introduce a young one to our hobby thru 3rd party traffic. They will talk to other kids around the country on HF and locally on 2 meter. Call me for the date if it is not listed in this Carrier.

A tremendous public awareness/service idea: Contact a local club house or country club that you belong to and put on a short presentation to the Board about the vital importance of emergency communications during a disaster. The next one IS coming. We just do not know when.

Let them know about phones that don't work or are overwhelmed, including their cell phones. Tell them why radio may be the only way to get help for their area. Ask them to budget for an "emergency only" amateur radio shack. It could be locked up during regular days, as long as a coax is hooked up to an antenna at all times, and out it comes during the emergency. I am doing it at the Crow Canyon Country Club! So get busy, spread the word about our vital service to the community.

73,
Terry, KE6WRE

RACES Nets

Every Thursday at 19:00 hours

Central County Jim Brunk N6BHX 145.680 /s

South County Ed Ritchie K6SFD 146.355 /+
100pl

East County Jim Tittle KC6SOE 146.535 /s

West County Rich Parker KD6JCT 145.110 /-

What do you really know about Field Day?

During the June 15 club meeting Lauren Styles, WA6CIE will speak about Field Day — past and present, logging and operating this contest. For those of you who have never been on a Field Day you are encouraged to attend to just look around or participate. The club usually runs 6-7 stations from 80 meters all the way to 1296 and anyone can operate. While there is no guarantee of being able to use the best bands at peak times, you will be able to operate a station.

Field Day is practically free for club members and guests. In the last few years it only costs for the park admission, sunscreen, food and beverage, if you did not eat off of the Salvation Army Canteen. The Club buys food and the Salvation Army Canteen crew, including some club members, prepare it. Just another benefit to MDARC membership.

Mark your calendars: Field Day will be operational from 11:00AM on Saturday, June 23 to 11:00AM on Sunday, June 24. That's 24 hours to improve your general operating skills and ability, plus have a lot of fun! Normally, we set up on Friday afternoon, if you would like to help.

As many of you have heard, this year we lost use of the park. We are searching for an alternate site and will announce the new location at the June 15 meeting and on the Thursday night net.

If you can not personally attend this year's Field Day, please look for us on 147.06. We will give current frequency information, so you can work us. Either way, in person or on the road,

you can be part of Field Day 2001.

Please contact me if you would like to run a band or participate in any another way.

Lauren Styles
(925) 358-6393 (Phone)
(925) 973-5992 (Fax)

KIDS Day Amateur Event

The Marin Amateur Radio Society will be operating a Kids Day station at Corte Madera Town Center on June 16, 2001. 1800 to 2400Z. No limit on operating time. Suggested exchange: Name, age, location and favorite color. You are encouraged to work the same station again if an operator has changed. Call "CQ Kid's Day." Suggested Frequencies: 28350 to 28400 kHz, 21380 to 21400, 14270 to 14300 kHz and 2-meter repeater frequencies with permission from your area repeater sponsor. Observe third party traffic restrictions when making DX QSOs. The 2 meter repeater we will be using will be one of our Mt. Tam repeaters 146.700 - the pl is 179.9. If any one would like to help out please let me know, my e-mail is mailto:KF6VYH@ARRL.net my phone number is (415) 897- 0413 - John Iacono

If you're interested in the now-ended era of maritime commercial cw operation, and wonder what it would be like to stand a watch at the 500kHz position in a major Coast Guard shore station. <http://www.radiomarine.org/index.html>

Here's a site in Sweden that has preserved a complete Alexanderson alternator-type cw station; this is how you did cw before deForrest came up with his bottle. <http://www.telemuseum.se/grimeton/defaulte.html>

And a modern installation; this one sounds like the Navy has been reading some of Tesla's notebooks.: <http://server5550.itd.nrl.navy.mil/projects/haarp/index.html>

MDARC General Meeting April 20

President Terry, KE6WRE opened the meeting at 7:40 pm. with recognition of the Club9s 50th Anniversary. VP Mike, KG6CSJ, recognized a few birthdays in the months of March, April, and May. Pacificon Chairman Paul, N6JOX, reminded members that more hands would be useful for Pacificon. Members can contact him or the various committee heads. George, WB6OFH, Social Co-chairman, announced several miscellaneous items, including the picnic July 21. Terry reminded members that ARRL Kids Day is coming up in June. Lauren, WA6CIE, announced that a good site for Field Day operations has not yet been found. Several people are looking for sites because of our loss of the Mt.Diablo site. Treasurer Trevor, WA6JAU, announced that the auction checks were in hand. Sellers should contact him. Pete, KE6ZIW, listed the coming public service events, and asked for signups. Terry asked for a show of interest in a purchase of magnetic signs. Terry recognized a number of hams who had upgraded or passed exams or recently joined the club or were visiting: New members Chris and John, new ham Frank from Pleasant Hill to Tech, three youth visitors, John from San Rafael, Rick, KE6VSH, and James, visitors Dave & Debbie, Gene, KG6EYE, Gene, KD6ADV and Debbie, KD6ADU, as well as upgrades Bob, KF6ROS, to Extra, Don, KD4YDQ to General, and Dave, WB6IYH.

Terry adjourned the meeting at 7:55 for a break before a great talk by Reggie, WA6ZAP, on grounding and bonding.

Respectfully submitted,
Paul Dickey, N6JOX, Secretary

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email: rgaschk@tpi.net

List of Scheduled Activity for W6CX ATV

SATURDAYS 8:00 AM COFFEE NET
WITH N6SWE
SUNDAYS 8:00 AM COFFEE NET
WITH N6SWE
WEDNESDAY 7:30 PM ELECTRONICS
CLASS WITH KF6IQL
THURSDAY 8:00 PM. GENERAL ATV NET

Letter to the Editor

An observation

AUCTION PAYMENTS

MUST BE TIMELY

By Paul W. Girard, KC6TZU

When club members — and even non-members — put gear on the Mt. Diablo Amateur Radio Club auction block they are doing the club, and themselves a service.

But when the club withholds payment to sellers, it is doing both the club and the seller a grave disservice that could spell the death knell for a very worthwhile and profitable project.

There is absolutely no reason for the club not to issue checks to sellers within a maximum of five days from the date of the auction. All the club is doing is serving as a 'handling agent' for money it has collected on behalf of sellers.

The club auction was April 20, and most sellers did not get paid until May 21 — a total of 31 days since the auction. That is untenable and the club treasurer should be called upon to answer for what is clearly misfeasance. (Perhaps it is not entirely the treasurer's fault, but a misguided former treasurer's rule promulgated during a fit of pique.) There is nothing funny about this situation. The club has done nothing but alienate good sellers. It didn't even invest the money and earn interest on the float. This is just callous laziness.

It might be argued at best that the club was waiting for checks to 'clear' the bank before paying its just due. This is nonsense and without merit.

The club owes the money and must pay it promptly! Don't bother to call on me to be an auctioneer if the club is not going to treat auction sellers with the fairness they deserve.

Sheriff's Radio System in the County

{Forward by Tom Seabury – KI6O: This history of Contra Costa County's radio system was contained in a rather extensive report to the County on upgrades, including a possible future move to a trunked radio system. The following section involving the history of the present system dates back to 1930's and is reproduced here with permission of both the author Alan Burton and the County's Department of Information Technology (DoIT) Steve Overacker – WA6HAM}

BACKGROUND (History)

[This historical perspective is provided to acquaint the reader with how Contra Costa County (and specifically the Sheriff's Office) reached its present condition, and its present radio network. The information provided is based on the personal knowledge and perception of the author.]

The Contra Costa County Sheriff's Office began using mobile radios in 1930, through an arrangement with the Berkeley Police Department which had just developed a regional police radio broadcasting system. With a tower on the roof of the Berkeley P.D. building, the system broadcast reasonably to Sheriff's cars throughout Contra Costa. The system was one-way, and the radios were "receive only." Broadcasts were made "blind" instructing the deputy to call his office. As of 1934, there were four Contra Costa Sheriff's cars equipped with the one-way radios. This arrangement continued until about 1939.

In 1935, with the election of a new Sheriff, Contra Costa County embarked on a venture to develop a two-way radio system. Applications were submitted to the new Federal Communications Commission, and a license was issued for a 100-watt transmitter located in the County Courthouse in Martinez (now the Finance Building). The license was limited to only 100 watts due to an FCC requirement that transmitter power was tied to the population serviced. The county population was 100,000 and the maximum authorized power was 100 watts. The range of the transmitter was about ten miles. Consequently, the Sheriff's Office continued to receive dispatching services from Berkeley.

In 1939, the radio engineers for the Contra Costa and Alameda counties joined together to develop a regional system to cover the two counties. The system was designed to include high-powered transmitters in Martinez (for Contra Costa) and in San Leandro (for Alameda) which would be used to broadcast to the cars. In return, the mobile units for the two agencies would have an unattended automatic radio repeater on Mount Diablo. Because the range of the Diablo repeater extended much beyond the two counties, Contra Costa entered into agreements to provide two-way dispatch services to a number of other rural counties in Northern California. The combined populations were sufficient to justify a 500-watt base station in Martinez. (The base station transmitted on 1658 kc; the mobiles transmitted in the 40 mc band, which were the highest frequencies then available from the FCC.)

In 1950, a new communications headquarters was built at 2130 Arnold Industrial Highway (now 30-40 Glacier). The 150-foot tower was removed from the Martinez Airport property and re-located to the new facility. A new, 1000-watt transmitter was purchased. Central dispatching was provided from this location until 1955 when the newly-elected sheriff moved all sheriff's dispatching to the new County Administration Building (called Control 2) and all other dispatching remained at Arnold (Control 1).

The dispatching arrangement continued until 1964 when dispatching was again centralized on the seventh floor of the new administration building.

In 1959, two events occurred which would have a major impact on the sheriff's communications. The FCC decreed that they were phasing out the use of AM broadcast band radio systems, upon which Contra Costa had relied since 1930, and their own system since 1939. Contra Costa was directed to abandon the use of the AM system and seek an alternative. At about the same time, the State of California served Contra Costa County notice that there was no longer room for the county's radio equipment in the State's radio vault on Mount Diablo. Although the State has since claimed that their action was not an actual eviction, it served the same purpose. Contra Costa was required to remove their world-renowned radio repeater from Diablo by 1960.

There were few alternatives available to Contra Costa at that time. The decision was made to license a two-channel network using new frequencies in the 155 MHz band, then known as VHF High Band (as differentiated from the frequency used on Mt. Diablo which was in the lower half of the VHF or Very High Frequency band.). Utilizing space in the East Bay Regional Parks building on Bald Peak (also known as Vollmer Peak), a simplex transmitter-receiver was licensed to cover west county. A new site was developed above Clayton that was known as Kregor Peak, and a second simplex frequency was licensed for this site to cover central and eastern county. A microwave radio system was designed to connect Bald to Kregor, and Kregor

to Arnold. This two channel simplex system was used from 1960 and has been modified continually in the years since. It is the basis or foundation of the existing Sheriff's system.

George Burton retired from the county as director and chief radio engineer in 1966, replaced by James F. Angles. During Angles' ten years with the county, he added radio sites at Rocky Ridge (above Danville), and Croquet Peak (since abandoned when the county developed Cummins later), and Martinez (County Administration Building). The additional sites permitted an expanded microwave network that was configured in a self-healing loop, connecting (in order) Arnold, Martinez, Charger, Rocky, Bald, Arnold; with Croquet as a spur. The additional sites vastly improved coverage at a time when handheld portables were coming into general use.

During Angliss' tenure, he developed the use of mobile radios as base stations at all the county's transmitter sites. This novel and unprecedented approach saved the county space in the cramped vaults. Because the size of the vaults was dictated by practical issues including availability of funds, the approach was necessary. At the same time, Angliss found it expeditious to manufacture some communications equipment in the Sheriff's comm shop. The county used a number of VHF Low Band channels, and each of those required a filtering device known as a cavity, which resembles a stovepipe about six feet long. For many years, cavities were homemade, which saved the county considerable amounts. The mobile radio base stations and the homemade cavities are still in general operation, but it is expected that they will be phased out in the near future. The change from using mobile radios as base stations will impact on space in the existing and future vaults.

In 1974, Angliss quit, claiming he had been promised that Communications would be removed from the Sheriff's Office and was not. Alan Burton was named interim director for eighteen months, replaced by Roy Kong, who remained in the position for only eighteen months. Following his departure, Burton was named as permanent director where he remained until 1984.

During the period 1974-84, the system continued to grow. The Crockett Peak site was closed, replaced by Cummings Peak, utilizing a combination of solar cells and a windmill for power. Highland Peak, above Morgan Territory, was added at the same time, with the same power sources.

In 1975, the county implemented a new radio system for ambulances and paramedics. This system uses two channels in what is known as the "UHF T-band" (the channels having been originally allocated to broadcast television). These two channels (in the 488-491 MHz range) remain in operation today. It was the County's first venture into the UHF band.

Delta Regional Communications Center (DRCC) was opened July 1, 1981. At the time, the Sheriff's Office still used only the two original (1960) radio channels. DRCC made use of a third channel which had previously been used by Antioch P.D. As part of the contract with the cities, it was agreed that if the DRCC dissolved, the new channel would revert to County control and use. The DRCC did dissolve, and the channel is now one of three used by the Sheriff.

A major microwave radio system expansion occurred 1980-81, creating a larger self-healing ring which included (in order) Arnold, Kregor, Stoneman, Delta, Highland, Rocky, Bald, Nichol, Cummings, Martinez, and Arnold. Non-ring spurs included Brentwood (fire), Pinole (Animal Control), Lafayette (fire), Danville (fire), Concord (Fire Station IO). It was intended that the new system would/could be used for telephone interconnect, and there was a microwave terminal in every telephone exchange area in the county. New FCC and PUC rules negated that proposal. It was also intended that a low level cross-band network could be installed that would pen-nit the Sheriff's Office (on VHF HB) to communicate with the police departments that were using UHF (460) channels. Frequencies were licensed and set aside for that purpose.

After 1985, the technical services unit of the Sheriff's Communications Division was reassigned to the General Services Department (GSD). It was reported that the rationale was because radio services in other counties had followed that course. Although technical services were removed, the Sheriff retained the services of one technical radio manager. There are strong perceptions that GSD's management of the public safety radio infrastructure left much to be desired, from the viewpoint of the Sheriff's Office. It is reported that a combination of a consulting report (recommending that telecommunications be removed from GSD) and employee dissatisfaction resulted in the unit being transferred from GSD to the Department of Information Technology (DoIT).

It was after 1990 that efforts were made by the Sheriff's Office to correct severe portable radio coverage deficiencies. The system was changed from three simplex radio channels to three repeated channels. In the former, mobiles and portables would be heard only by the dispatchers, and those other units close enough to hear them. In the new system, one predominant site was selected that best-covered the zone, and that site was used to repeat (at higher elevation and power) whatever it heard from the mobiles and portables. This arrangement added considerably to the range of the low-powered portables and was a distinct enhancement.

Unfortunately it had a downside. For example, the west zone uses Bald Peak as the predominant repeater site. Anyone who uses the western zone will have their message repeated on Bald Peak, regardless of their location. (It is acknowledged that the dispatcher can "steer" the repeater site to an alternate, which in the western zone is Cummings Peak, above Crockett, but

that requires a conscious decision and a manual action.) The difficulty arises when two units are outside of the coverage area of Bald Peak; for example, in Crockett. The two units may be able to see each other, but since neither can hear Bald, they cannot communicate. It is true that they can contact the dispatcher and ask for the repeater to be switched, but this also requires an understanding of the system at the moment, and a conscious act on the part of a user or a dispatcher.

The reason only one repeater is turned on at a time deals with a technical requirement. Since the western zone can be covered with two or three repeaters, the logical question would be: Why not have all three repeaters broadcast at the same time? The answer is that you can, but for those mobiles/portables that are able to receive messages from more than one repeater, their resulting received message will be garbled. To correct this deficiency, the use of "simulcasting" equipment is often specified. Simulcasting uses a technology in which all the repeaters are timed to turn on a fraction of a second different from each other. The required equipment is sophisticated but is in general use, and has been proven to be of great value. In the example cited above, with simulcast, two west county units in Crockett would be able to talk because their transmissions would be repeated on Bald and Cummings at the same time (as well as any other repeaters necessary to cover the zone). The reception would be clear and readable regardless of their location.

So the repeater concept has improved communications, but some difficulty has been experienced as a result. To return to the former simplex system does not appear to be a reasonable or prudent alternative. To continue with the system in its current state raises officer-safety issues.

Membership Update – send changes to Sam, KO6JR for inclusion in the MDARC roster and database.

Name, Call, License Class; Spouse Name & Call Address, Phone numbers, e-mail	* = Rocky Ridge Supporter
Beard, Robert, KG6FPZ; 2410 Heatherleaf Lane, Martinez, CA 94553 (h) 925-372-6997 (w) 925-675-5934	rbeard@speakeasy.net
* Beck, Jack, KE6TIP (T); 111 Almaden Ct., Oakley, CA 94561 (h) 925-625-9834 (w) 510-437-7543 (pager)	
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* Dearborn, Terry, W6HPC (G); Laurel 3812-A Happy Valley Rd., Lafayette, CA 94549 (h) 925-283-2913	w6hpc@arrrl.net
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* Schuler, John, KG6CZX (T); Lisa 3983 Yale Way, Livermore, CA 94550 (h) 925-449-5219 (w) 925-828-5297 (fax) 925-828-5365	johnqrz@aol.com

MDARC Board of Directors Meeting 05/07/01

President Terry Matzkin, KE6WRE opened the meeting at 7:33 p.m. Present at the meeting were: Vice-President Michael Burge, KG6CSJ, Secretary Paul Dickey, N6JOX, Treasurer Trevor Hall, WA6JAU and Directors Howard Burk, KE6PTT, Mike Patterson, KE6JGA, and Tracey Schwartz, KE6TOT. Also present: Pacificon Steering Committee members Dick Brown, KT6X, Jay Caldis, KT6Y, and Carrier Editor Greg Estep, KE6VTA, as well as George Roush, WB6OFH, Social Committee, Reggie Driscoll, WA6ZAP, and new ham Bob Beard.

Miscellaneous items:

- Reggie looked into the cost of magnetic vehicle signs. Cost is \$24/set @ order of 30. Survey of interest at next general meeting.
- Minutes of last meeting approved.
- \$ for books for last radio class not yet received.
- Tracey will store handtruck & ice chest.
- Greg reported costs of LCD projectors coming down—near \$1500.
- Terry will send paperwork on Pacificon 2002 to Paul.
- Trevor will complete F990 due next week.

Treasurer's report: \$5824.85 including auction proceeds but not including auction payouts due. Because of a generous donation from an estate, the auction made \$1300.

Field Day site: Mt. Diablo site not available. Lauren & Cal checking other sites.

Terry appointed a committee of Mike Burge (Chmn.), Bob Beard, and George to cull membership suggestions and decide on those to pursue. Potential growth because of 17,000 hams in zip codes 94xxx.

Greg reported that Keith, N6PMF, and Dan, KF6IQL, are checking frequency pairs in the Valley for possibilities to coordinate thru NARCC for a 2m repeater, because another club is on the same frequency.

Howard has received the cert. of coord. from NARCC for our 440 repeater.

There have been problems with So. County freq. for RACES check-ins because two county nets on the same frequency; Being worked on by Ed Ritchie. The ATV site now has 1.2gig in and out; Howard

is keeping track of ATV frequencies being upgraded.

Paul reported that PACIFICON is on schedule, on target. The dinner and breakfast menus and prices have been finalized. There will be no swap meet because of airport use of the tarmac due to resurfacing.

George & Tracey reported that the summer picnic will be held at the same location on July 21, Saturday. Tracey is checking caterer and restaurant prices for the December party.

Other:

-Mike Burge reported the program schedule included: May = grounding; Oct = Pacificon; Nov = elections.

-The Technical Committee has an inventory of identified club assets; the inventory is being kept by Greg, Barry W. and Jim T.

- Terry announced the ARRL "kids day" on June 16 on HF and 2 meters, brought to our attention by the Marin club.

-Discussion of possible decals, bumper stickers for the club.

The next general meeting is 5/18; the next Board meeting is 6/4.

Terry adjourned the meeting at 8:50 p.m.

Respectfully submitted,

Paul Dickey, N6JOX, Secretary

PACIFICON 2001 Mail In Form

Name: _____

Call: _____

Address: _____

City: _____ State: _____ Zip: _____

Antenna Forum (Friday Only): _____ @ \$10.00 = \$ _____

Pacificon Admission (\$15 at door) _____ @ \$10.00 = \$ _____

Saturday Breakfast _____ @ \$12.50 = \$ _____

Banquet (Saturday eve):

Beef _____ @ \$35.00 = \$ _____

Chicken _____ @ \$35.00 = \$ _____

TOTAL = \$ _____

Print and Mail with your check to:

PACIFICON 2001
P. O. Box 272613
Concord, CA 94527-2613

Voicemail: (925) 932-6125

Email: tickets@pacificon.org

Hotel Reservations should be made direct to the

Sheraton Concord Hotel, at 1-925-825-7700.

Be sure to mention your attendance at the PACIFICON 2001 Convention to obtain discounted room rates.

MDARC Radio Team Participates in Mt. Diablo Trailride

by Pete Harris, KE6ZIW

On May 5, 2001, members of the Mt Diablo Amateur Radio Club provided radio communication for the Concord-Mt Diablo Trailride Association's spring competition trailride on Mt Diablo. The radio team was coordinated by Tom Seabury, KI6O, and John Stuart, KM6QX. Also participating were Joe Gregory, WA6DQN, Trevor Hall, WA6JAU, Drew Hanson, KD6GLY, Art Roberts, WB6KNB, Michael Hole, KG6DER, and Pete Harris, KE6ZIW.

It was a great day in a spectacular setting. Here are some photos extracted from a video that I took of the event. If you want to see the photos in color, go to the www.mdarc.org website, the [Carrier Newsletter](#) page, and bring up the newsletter for June, 2001.

5:30 am: Hams leave their homes with radio gear packed



Dawn breaks on Mt Diablo



Hams eat breakfast in clubhouse while planning out day's activities



Riders get ready as sun rises



Riders approach first vet pulse and respiration check



Ham caravan goes 4-wheelin' up a mountain back-trail



Hams and ride officials reach a hilltop plateau



Net control, KM6QX, asks ham team to switch to a simplex frequency



Vet awaits riders for judging



MDARC Board of Directors

Position	Who	How to find them
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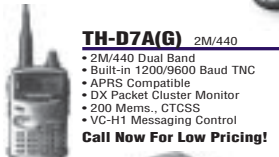
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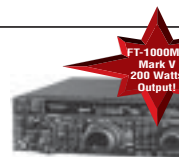
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CALENDAR OF EVENTS

06/09/2001	8:00 AM	PACIFICON General meeting	Emil Villa's in Concord
6/15/2001	7:30 PM	MDARC General Meeting	
6/29/2001		Carrier Deadline	
07/02/2001	7:30 PM	MDARC Board Meeting	Emil Villa's in Concord
07/20/2001	7:30 PM	MDARC General Meeting	
07/21/2001	8:00 AM	PACIFICON General meeting	Emil Villa's in Concord
07/21/2001	11:00 AM	MDARC PICNIC	John Baldwin Park Concord
07/27/2001		Carrier Deadline	

Carrier articles should be send to Greg Estep <mailto:grestep@home.com>

MDARC Repeaters

147.060 MHz + / PL 100 Hz	ATV: Input 1253.250 MHz
224.780 MHz - / PL 77 Hz	ATV: Output 427.250 MHz Cable Channel 58
441.325 MHz + / PL 100 Hz	APRS: 144.39 MHz
	TCP/IP: 145.71 MHz

The Carrier
Newsletter of the Mt. Diablo Amateur Radio Club
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Change in Service Requested

Upcoming Radio Communication Events

Pete Harris, KE6ZIW, odyssey@ccnet.com

The events listed below are coming up in the near future and *still have some slots available*. For most events all you need is a hand-held 2 meter radio and an extra battery. Give me a call or email to sign up (925-228-4503, odyssey@ccnet.com). If you want more information about a particular event, call me or the event coordinator. If you are new to this and want to break in gently, we can team you up with another ham.

Escape From Alcatraz Swim

6/10/01, San Francisco Bay and Waterfront
Call Pete Harris, 925-228-4503

Moraga Horseman's Assn. Trailride

6/23/01, Redwood & Anthony Chabot Regional Parks
Event Coordinator: Tom Seabury, 925-837-4433

4th of July Parade (morning)

7/4/01, Pleasant Hill
Event Coordinator: Bob Williams, 925-934-1873

4th of July Fireworks Show

7/4/01, San Ramon
Event Coordinator: Ed Ritchie, 925-837-3265

Alcatraz Challenge Swim

7/8/01, San Francisco Bay and Waterfront
Call Pete Harris, 925-228-4503

Pacific South Trailride

9/8/01, Redwood & Anthony Chabot Regional Parks
Event Coordinator: Tom Seabury, 925-837-4433

Sign up! You'll have a great time and be giving something valuable back to your community.

73's Pete Harris, KE6ZIW